

DRI[®] Cannabinoid Assay



Kit Configuration

P/N W150185	1 x 100 mL Antibody/Substrate Reagent A (R1)
	1 x 100 mL Enzyme Conjugate Reagent E (R2)

Reagent Preparation

P/N W150185: Reagents are ready to use. Pour R1 and R2 in the appropriate bottles and place them in the reagent tray.

In use Stability

On Board: 30 days

Specimen

Urine

Calibration

Use: Negative Calibrator Cat. No.W151664

THC 20 ng/mL Calibrator Cat. No.W150235

THC 50 ng/mL Calibrator Cat. No.W150042

THC 100 ng/mL Calibrator Cat. No.W150044

THC 200 ng/mL Calibrator Cat. No.W150206

Recalibrate every 21 days or when a new lot of reagent is used. Do not run reagent blank with this assay.

Quality Control

THC 40 ng/mL Control Cat. No.W150170

THC 60 ng/mL Control Cat. No.W150168

THC 75 ng/mL Control Cat. No.W150214

THC 125 ng/mL Control Cat. No.W150212

Calculation and Analytical Results

The results concentration is automatically calculated by the instrument against the Calibration curve. For detailed description, refer to the Instrument settings and to the ILab 600/650 Operator's Manual.

Semiquantitative results

A rough estimate of drug concentration in the samples can be obtained by running a standard curve with all calibrators and quantifying samples off the standard curve.

References / Literatur / Bibliografía / Bibliographie / Bibliografia /

See package insert inclosed in the kit

Performance Characteristics

The performance below were obtained working with a cutoff of 50 ng/mL

Limitation/Interfering Substances

A positive result by this assay should be confirmed by another nonimmunological method such as GC, TLC or GC/MS.

It is possible that other substances and/or factors (eg, technical or procedural) not listed in the specificity table (see package insert) may interfere with the test and cause false results.

Precision

	Samples/Runs	Mean (ng/mL)	CV(%)	Mean (ng/mL)	CV(%)	Mean (ng/mL)	CV%
Within Run	5/10	37	8.3	49	6.4	61	4.1
Total	5/10	37	9.6	49	8.4	61	5.7

Minimum Detection Limit

6 ng/mL



Instrument Settings

Photometric Test Parameters		Urine
Test No.		**
Test Name, Test Code		Cannabinoid, THC
Sample Type		Urine
Reporting Unit, Decimal Points		ng/mL, 0
Reaction Cycle		Standard
Twin Analysis		OFF
Methodology Type, Measuring Point		Rate, 20/25
Photometric Methodology		2 Wavelength
Primary/Secondary Wavelength		340 / 405
Sampling Conditions		
<i>Sampling 1</i>	Sample Vol.	12
	Sample/Diluent Vol.	0/0
<i>Sampling 2</i>	Sample Vol.	0
	Sample/Diluent Vol.	0/0
<i>Sampling 3</i>	Sample Vol.	0
	Sample/Diluent Vol.	0/0
<i>Sampling 4</i>		***
Diluent Code		Water
Diluent Warning Limit		N/A
First Run		Sampling 1
Below/Above Normal Range		***
Panic L		***
Panic H		Sampling 2
Noise		***
Prozone		N/A
High!, ABS!		Sampling 2
Sample Volume Reduction		**
Reagent Volumes		
R1	Code	01461
	Rgt/Dil. Vol. Stirring	100/0, ON
	Low Vol. Warning Limit	20
	Stability (days)	30
R2	Code	01462
	Rgt/Dil. Vol. Stirring	100/0, ON
	Low Vol. Warning Limit	20
	Stability (days)	30

Ranges and Evaluation Criteria	Urine
Normal Range-Male	49.9 - 50
Normal Range-Female	49.9 - 50
Normal Range-Other	49.9 - 50
Valid Range	-100 / 9000
Hemolysis/Icterus/Lipemia Limit	N/A
Reaction Slope	Positive
Absorbance Limit	Above, 3500
Prozone Limit	N/A
Non Linear Limit	0
Slope/Intercept Correction	1/0
Qualitative Report	OFF
Calibration Conditions	
Calibration	Multi Point, P to P, 3 Reps
Stability (days)	21
Calibrator 1, Concentration	0
Calibrator 2, Concentration	20
Calibrator 3, Concentration	50
Calibrator 4, Concentration	100
Calibrator 5, Concentration	200
R-Blank Limit (mAbs)	N/A
Cal. Reps Range (%)	***
Min Cal. Response (mAbs)	***
Cal. Factor Change (%)	***
M-Point Curve Fit (%)	N/A
Reagent Blank	OFF
Auto R-Blank by Bottle	OFF

- * Lot dependent
- ** operator definable
- *** optional
- N/A not applicable to this test

